Docket No. ASF00116-PA-US

#4 2622

**PATENT** 

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## IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant:

Albert D. Edgar

Paper No.:

Serial No.:

09/960.239

Group No.:

Filed:

September 21, 2001

Examiner:

Unknown

For: METHOD AND SYSTEM FOR IMPROVING SCANNED IMAGE DETAIL

BOX DD ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

## TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified application for patent are the following documents:

- 1. Information Disclosure Statement;
- 2. Form PTO-1449 (7 pgs);
- 3. Copies of references;
- 4. Confirmation Postcard. Please file-stamp and return.

Applicant believes that no fee is due with the submission of this document. If Applicant is incorrect, the Commissioner is hereby authorized to charge the fees which may be required, or credit any overpayment, to Simon, Galasso & Frantz PLC Deposit Account No. 50-1259.

Respectfully submitted,

By:

Raymond M. Galasso

Reg. No. 37,832

SIMON, GALASSO & FRANTZ PLC

P.O. Box 26503

AUSTIN, TEXAS 78755-0503 Telephone: (512) 372-8240 Facsimile: (512) 372-8247

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## INFORMATION DISCLOSURE STATEMENT

Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

The attached forms, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98(a)(1).

A copy of each of these items on PTO-1449 is supplied herewith.

Respectfully submitted,

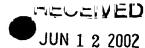
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Raymond M. Galasso Reg. No. 37,832

SIMON, GALASSO & FRANTZ PLC P.O. BOX 26503

AUSTIN, TEXAS 78755-0503 Telephone: (512) 372-8240

Facsimile: (512) 372-8247



JUN 1 0 2002 Page 1 of 7 **PTO FORM 4/92** Technology Center 2600 Page 1 of 7 A-US SERIAL NO. 09/960,239 ASF00116-PA-US **FORM PTO-1449** ATTY. DOCKET LIST OF PATENTS AND PUBLICATIONS Albert D. Edgar APPLICANT FOR APPLICANT'S INFORMATION FILING DATE Sept. 21, 2001 GROUP DISCLOSURE STATEMENT FOR: Method And System For Improving Scanned Image Detail UNITED STATES LETTERS PATENT DOCUMENT NUMBER DATE **NAME CLASS SUB CLASS** Mayer, A.L. 95 94 Oct. 6, 1941 96 55 3 5 2 8 9 Jul. 14,1970 0 6 Nagae et al. 96 55 3 5 2 0 6 9 0 Jul. 14, 1970 Nagae et al. 7 3 5 8 4 3 5 Jun. 28, 1971 Chioffe 95 89 5 Kohler et al. 96 48 4 7 9 Oct. 26, 1971 3 6 1 3 5 4 9 8 Oct. 26, 1971 Aral 96 55 6 3 7 2 8 Nov. 2, 1971 Bard 96 59 6 1 2 3 7 2 Jul 17, 1973 346 75 7 4 1 0 Stemme 9 0 3 5 Sep. 2, 1975 Von Meister et al. 354 317 3 4 1 3 9 4 6 3 9 8 Mar 23, 1976 Kyser et al. 346 1 5 9 9 0 4 Stanfield et al. 156 94 3 8 May 25, 1976 2 7 Stanfield et al. 4 0 6 5 May 31, 1977 156 554 6 5 7 427 424 4 0 8 1 7 Mar. 28, 1978 Horner 2 Feb. 27, 1979 Hatzakis et al. 250 571 4 1 4 1 0 7 2 4 2 1 5 9 7 Aug. 5, 1980 Grant et al. 354 317 9 9 2 4 8 5 156 554 4 Feb. 10, 1981 Stanfield 4 3 1 4 9 Nov. 17, 1981 Modeen et al. 358 75 0 6 Clark et al. 4 4 9 0 7 2 9 Dec. 25, 1984 346 75 Feb. 26, 1985 Matsui et al. 354 298 4 5 0 4 8 0 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE **COUNTRY** CLASS SUB **CLASS** Feb. 8, 1990 **PCT** WO 90/01240 / H04N 1/40 WO 91/09493 / Jun. 27, 1991 PCT H04N 5/217 WO 97/25652 / Jul. 17, 1997 PCT G03D 5/00 WO 98/19216 > May 7, 1998 **PCT** G03C 5/29 WO 98/25399 / Jun. 11, 1998 **PCT** H04N 1/38 WO 98/31142 / Jul. 16, 1998 **PCT** H04N 5/253 G03D WO 98/34157/ Aug. 6, 1998 **PCT** OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) "Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images", Doyle, M., et al., 8306 Magnetic Resonance in Medicine 31, No. 5, Baltimore, MD, May, pp. 546-550, 1994. "Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement", Aich, T., et al., Philips GmbH Research Laboratories, IEEE, pp. 335-338, 1996. "Adaptive-neighborhood filtering of images corrupted by signal-dependent noise", Rangayyan, R., et al., Applied Optics, Vol. 37, No. 20, pp. 4477-4487, July 10, 1998. "Grayscale Characteristics", The Nature of Color Images, Photographic Negatives, pp. 163-168. "Parallel Production of Oligonucleotide Arrays Using Membranes and Reagent Jet Printing", Stimpson, D., et al., Research Reports, BioTechniques, Vol. 25, No. 5, pp. 886-890, 1998. "Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology", Hayes, D. et al., Display Works '99, MicroFab Technologies, Inc., pp. 1-4, 1999. "Ink-Jet Based Fluid Microdispensing in Biochemical Applications", Wallace, D., MicroFab Technologies, Inc., Laboratory Automation News, Vol. 1, No. 5, pp. 6-9, Nov., 1996.

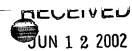
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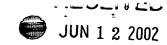
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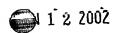
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**Technology Center 2600 PTO FORM 4/92** Page 5 of 7 JUN 1 0 2002 ASF00116-PA-US SERIAL NO. 09/960,239 **FORM PTO-1449** ATTY. DOCKET LIST OF PATENTS AND PURIACATION Albert D. Edgar APPLICANT FOR APPLICANT'S INFORMATION FILING DATE Sept. 21, 2001 GROUP DISCLOSURE STATEMENT FOR: Method And System For Improving Scanned Image Detail UNITED STATES LETTERS PATENT CLASS SUB **DOCUMENT NUMBER** DATE NAME **CLASS** Oct. 22, 1996 Endo Nov. 19, 1996 Sano et al. Dec. 3, 1996 Harrington Jan. 21, 1997 Cosgrove et al. Manico May 6, 1997 Sep. 2, 1997 Mevers Sep. 2, 1997 Wen Reem et al. Sep. 16, 1997 Oct. 14, 1997 Sugimoto et al. Nov. 25, 1997 Haye Simon et al. Dec. 9, 1997 Dec. 16, 1997 Nakahanada et al. Mar. 10, 1998 Mehlo et al. Apr. 14, 1998 Frick et al. Jun. 23, 1998 Fujimoto et al. Aug. 4, 1998 Edgar Nov. 10, 1998 Tsumura Blume Feb. 9, 1999 Mar. 9, 1999 Tanaka et. Al. FOREIGN PATENT DOCUMENTS COUNTRY SUB DOCUMENT NUMBER DATE **CLASS CLASS** OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

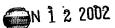
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Technology Center 2600 JUN 1 0 2007 **PTO FORM 4/92** Page 7 of 7 MADEMARK DOCK ASF00116-PA-US SERIAL NO. 09/960,239 FORM PTO-1449 DOCKET LIST OF PATENTS AND PUBLICATIONS APPLICANT Albert D. Edgar Sept. 21, 2001 GROUP FOR APPLICANT'S INFORMATION FILING DATE DISCLOSURE STATEMENT FOR: Method And System For Improving Scanned Image Detail UNITED STATES LETTERS PATENT CLASS SUB DATE NAME **DOCUMENT NUMBER CLASS** 226 92 Sep. 3, 1974 Krumbein 3 May 5, 1981 Slaker 356 431 2 6 5 5 4 5 4 Dec. 30, 1986 358 41 4 6 3 3 3 0 0 Sakai 376 May 3, 1988 Taft et al. 356 4 7 4 1 6 2 1 299 Manico et al. 354 5 0 2 7 1 4 6 Jun. 25, 1991 0 8 1 Apr. 6, 1993 Birnbaum 358 80 5 2 0 Columbus et al. 2 Aug. 2, 1994 411 3 7 118 5 3 4 4 Dec. 19, 1995 358 500 5 4 7 7 3 4 Tse 7 Dec. 24, 1996 Petruchik 5 5 8 7 5 2 396 315 2 7 0 May 6, 1997 Manico 430 434 5 1 6 6 9 2 Jul. 15, 1997 Wheeler et al. 396 569 5 6 4 6 0 396 3 5 7 9 5 Nov. 10, 1998 Craig et al. 6 5 8 7 2 Sep. 28, 1999 Kwon et al. 355 38 5 9 5 9 0 Jul. 11, 2000 Nishio 355 75 8 0 6 0 8 8 4 0 7 3 Mar. 13, 2001 Takano et al. 430 362 2 0 8 6 FOREIGN PATENT DOCUMENTS DATE **COUNTRY CLASS** SUB DOCUMENT NUMBER **CLASS** WO 98/25399 Jun. 11, 1998 **PCT** H04N 1/38 Aug. 6, 1998 **PCT G03D** WO 98/34157 Aug. 26, 1999 **PCT** H04N 1/100 WO 99/43149 Jun. 21, 2001 **PCT** G06T 5/00 WO 01/45042 A1 Jul. 12, 2001 **PCT** G03C 7/407 WO 01/50192 A1 < Jul. 12, 2001 PCT G03C 7/407 WO 01/50193 A1 G03C 7/407 Jul. 12, 2001 **PCT** WO 01/50194 A1 Jul. 12, 2001 PCT G03C 7/42 W0 01/50197 A1 < PCT H04N 9/11 Jul. 19, 2001 WO 01/52556 A2 < Jan. 26, 1994 H04N 1/04 EP 0 580 293 A1 < Europe EP 0 601 364 A1/ Jun. 15, 1994 Europe H04N 1/387 13/00 **G03D** EP 0 768 571 A2 / Apr. 16, 1997 Europe Nov. 12, 1997 H04N 1/00 EP 0 806 861 A1/ Europe G06T 5/40 EP 0 878 777 A2 Nov. 18, 1998 Europe OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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